Carrier

Infrared Remote

40KMC------301
40KMQ------301

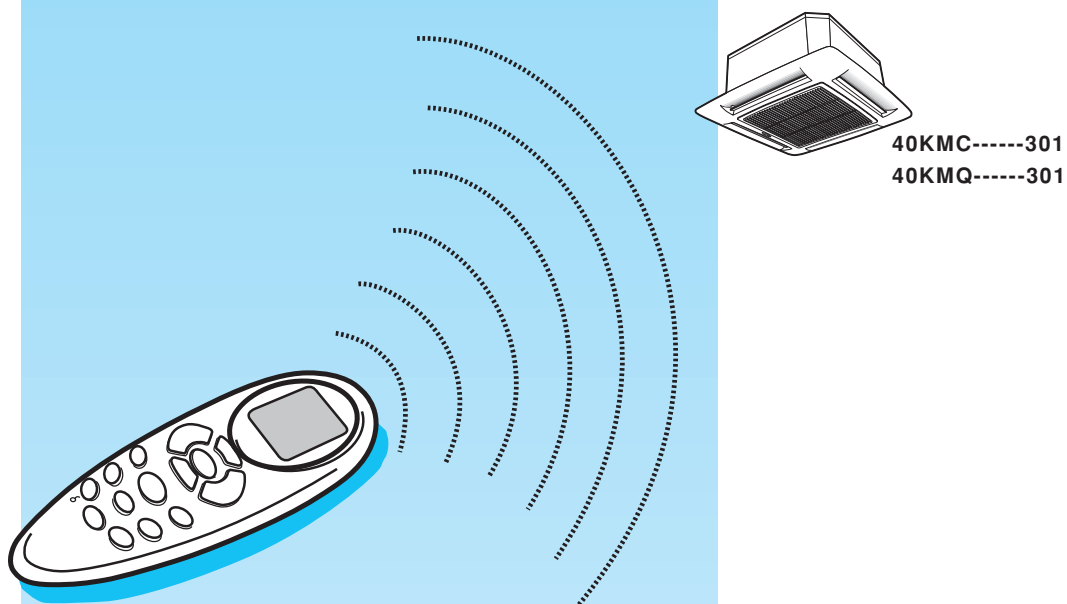**OWNER'S MANUAL**

Infrared Remote
Owner's manual

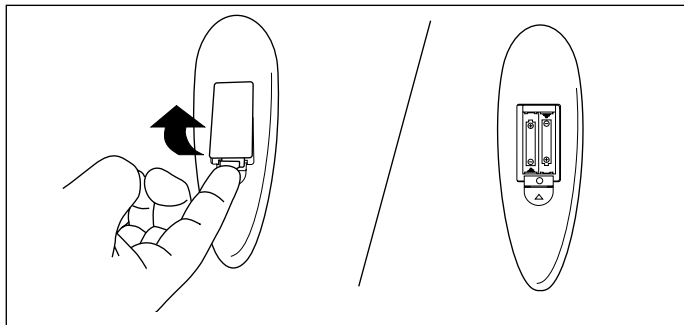This control system only operates with 40KMC------301 and 40KMQ------301 Cassette indoor units.
For installation instructions of this unit, refer to the relevant manuals.

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General information

The remote control operates with two 1.5 V non re-chargeable batteries.
When the symbol ▬▬▬ appears in the display, this indicates that the batteries are exhausted.

How to insert batteries:
Open embedded cover. Remove the cover of the battery compartment at the back of the remote control by pressing the tab toward inside, in the direction of the arrow.
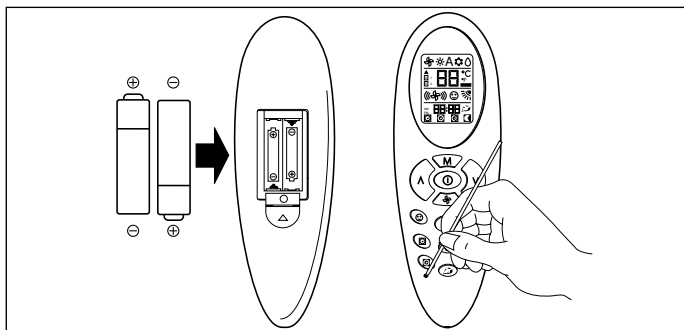
• Remove the used batteries and insert new batteries.
  The remote control uses two alkaline batteries (1.5 V, LR03x2).
• Press the reset button "**O**" with a sharp object to reset the remote control.
• Do not use used batteries or batteries of different types, as this may cause the unit to malfunction.
• The average battery life during normal use is approximately one year. The remote control used batteries must be disposed of according to the standards in force.
• If the air conditioner does not operate normally after replacing the batteries, remove the batteries, refit them and press the reset button "**O**" again after 5 seconds.
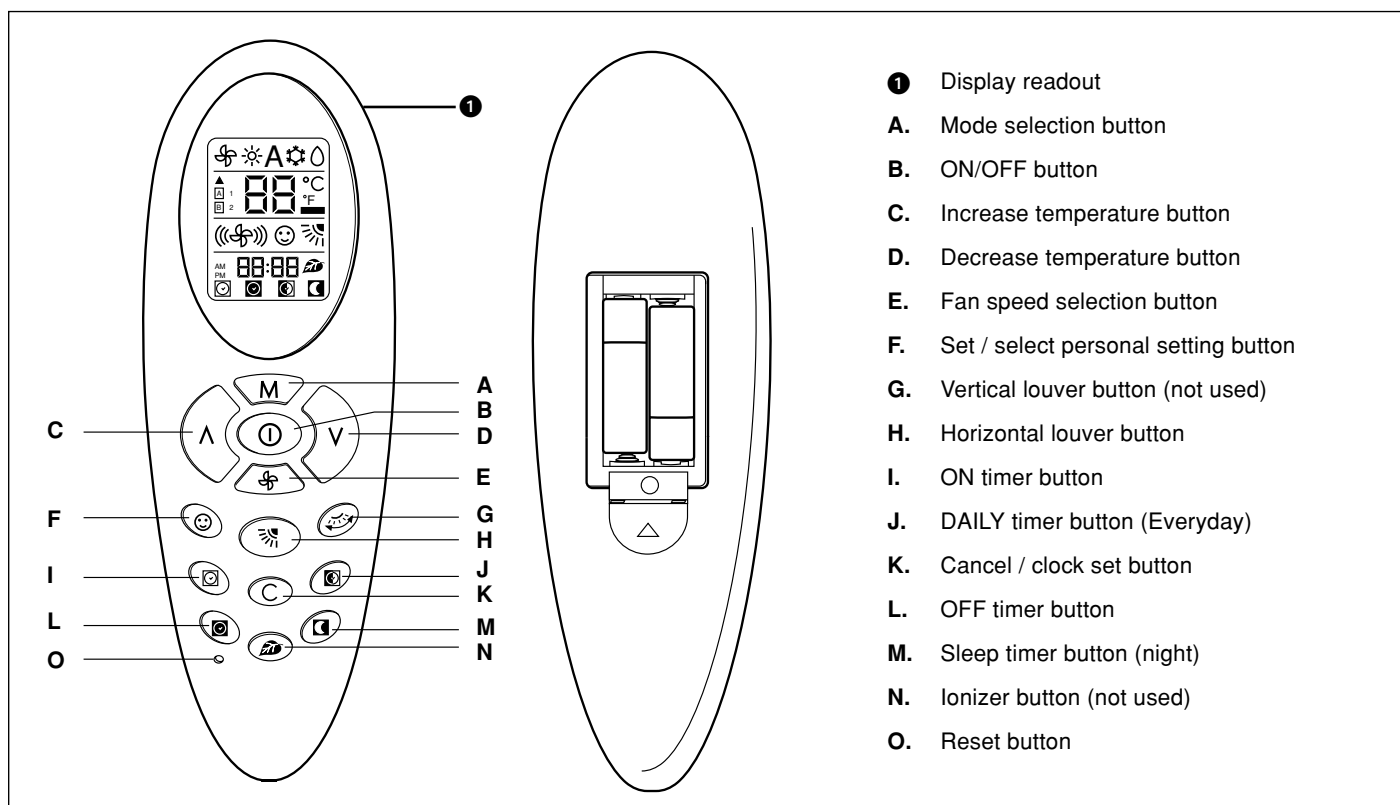
BEEP
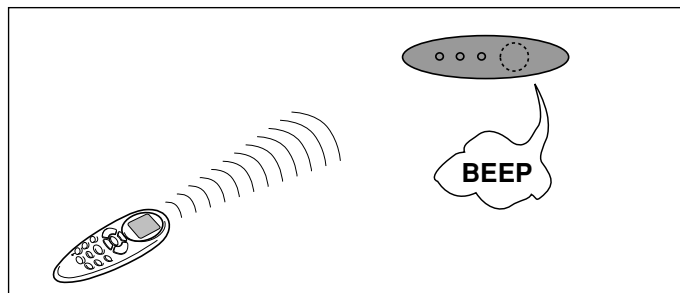
The maximum operating range for the remote control is approx. 5 m. No obstructions such as curtains or plants should be between control and unit.
Direct sun on the unit receiver may interfere with good signal reception. The control must be directed toward the unit receiver when pressing the buttons of the desired functions. An acoustical acknowledgement sound (beep) will indicate that signal has been received.
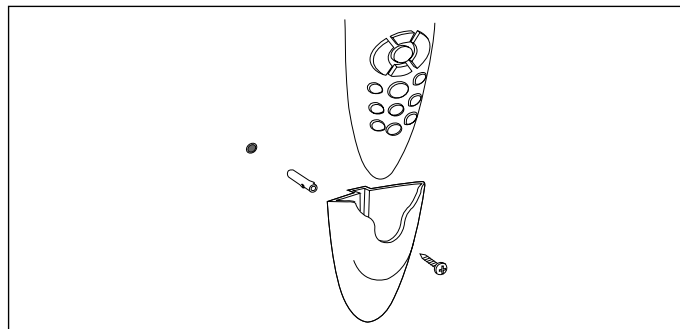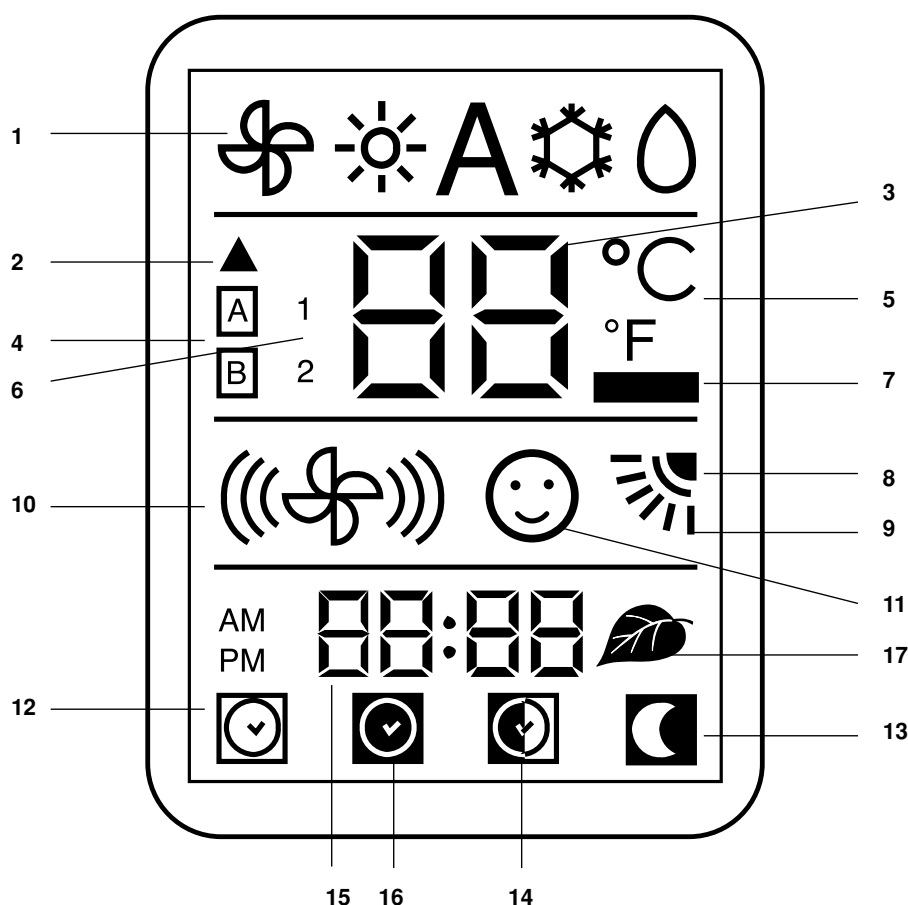
• A mounting bracket for the remote control is supplied with the unit. Install the mounting bracket on the wall where the remote signal can be easily received from the remote.

❶   Display readout

A.   Mode selection button

B.   ON/OFF button

C.   Increase temperature button

D.   Decrease temperature button

E.   Fan speed selection button

F.   Set / select personal setting button

G.   Vertical louver button (not used)

H.   Horizontal louver button

I.   ON timer button

J.   DAILY timer button (Everyday)

K.   Cancel / clock set button

L.   OFF timer button

M.   Sleep timer button (night)

N.   Ionizer button (not used)

O.   Reset button

1. Operating mode (from left to right):
   • Ventilation (fan only)
   • Heating (heat pump models only)
   • Automatic (heat pump models only)
   • Cooling and dehumidification
   • Dehumidification only
2. Signal transmission symbol
3. Temperature selected
4. Address selector
5. Temperature unit of measurement (°C or °F)
6. Unit configuration
7. Batteries exhausted indicator
8. Vertical louver swing indicator (vertical louver is not available)
9. Louver positioning (Flap)
10. Fan speed
11. Personalisation active
12. ON timer selected
13. Night timer active
14. DAILY timer active (Everyday)
15. ON timer, OFF timer and current time
16. OFF timer selected
17. Ionizer active (ionizer is not available)

Infrared Remote

Use of the remote control

Current time adjusting Ⓒ and reset buttons (buttons N and O)

Press current time adjusting button Ⓒ for at least 5 seconds to adjust the current time.
Press reset button "**O**" with a sharp object if the remote control is not operating properly or after replacing the batteries.

Setting current time (button Ⓒ)

1. With the remote control ON or OFF, press button Ⓒ for at least 5 seconds.

2. The time digits start to flash. Press either button ∧ or ∨ to set the current hour. Press button Ⓒ to move to minutes and set them.
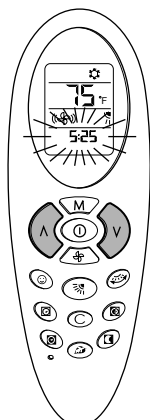
3. For this setting always use either button ∧ or ∨.

4. Once the current time is set, press button Ⓒ to confirm it.

① Start / Stop (button B)

When the air conditioner is not in operation, the remote control readout will display the time of day only (in case other symbols are lit, turn control off by pressing button ①).
Press button ① to start the air conditioner.
All selected and memorized functions will light up and appear; the unit will operate according to the functions selected.
Press button ① to stop the air conditioner.
All indicators on the unit will go out, and the control will display only the current time.
If the unit does not stop, turn the control on (by pressing button ①) and repeat the operation.
If button ① (air conditioner starting) is pressed too soon after a stop, the compressor will not start for 3/5 minutes due to the inherent protection against frequent compressor cycling.
The unit will only emit a "beep", when the signals are received correctly.
The green unit ON lamp of the indoor unit display illuminates.

M Selection of the operating mode (button A)

With this button the operating mode of the air conditioner can be selected.
By repeatedly pressing this button the available modes will be selected in sequence.
The choosen mode is shown as follows, while the unit will acknowledge signal receipt with a confirming beep.

Indicated Symbol

⌗ Ventilation (fan only).

☼ Heating (heat pump model only)

A Automatic (heat pump model only)

✻ Cooling with dehumidification.

◊ Dehumidification only.

Temperature setting

∧ **UP (button C)**

∨ **DOWN (button D)**

Pressing the UP ∧ and DOWN ∨ buttons will increase or decrease the temperature from the previously set value.
The unit will confirm signal receipt with a beep, and the value of the set temperature on the display will change accordingly.
The temperature can be set between 63°F (17°C) and 90°F (32°C) at 1 degree intervals.
In cooling mode, if the temperature selected is higher than the room temperature the unit will not start; the same applies for the heating mode, if the selected temperature is lower than the room temperature.
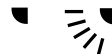
⇗ Selecting direction of horizontal air flow louver (button H)

The air flow direction can be adjusted up and down to optimize air distribution in the room.
Press button ⇗ repeatedly to choose one of the following louver positions:

Auto Louver: represented by repeating the following display sequence:

Position 1-6: represented by the corresponding position on the louver icon being visible. Position 6 points down:

Swing louver: represented by the louver icon cycling through 6 positions.

Selecting direction of vertical air flow louver (button G)

This option is not available.

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Use of the remote control

✤ Selecting the fan speed (button E)

The fan speed can be selected by pressing button ✤.

Indicated symbol

(✤) Low speed
(for night operation)

((✤)) Medium speed

(((✤))) High speed
(at start-up, to reach temperature)

((✤)) Automatic (fan speed will automatically switch to the value required for optimum comfort).
Cycle between low, medium, and high fanspeeds icons repeatedly .

ON timer procedure
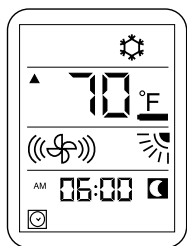
1. ON TIMER button ◌ (button I)
Press this button, even if the remote control is OFF. The relevant icon and time figure will start to flash.
If 10 seconds have elapsed and no button is pressed, the remote control turns OFF (if it was already OFF when button ◌ was pressed) or timer function automatically deactivates.

2. HOUR/MINUTE buttons (buttons ∧ and ∨)
If the unit is ON, the only possible selection is the start-up time. The unit will operate with the selections shown on the display.

**3. HOUR/MINUTE buttons (buttons ∧ and ∨)**
If the unit is OFF: to select the start-up time, use the temperature control buttons (buttons ∧ and ∨).
First select the hours and, after have confirmed these by pressing button ◌, select the minutes using either button ∧ or ∨.
To definitively set the time, press button ◌ again.

4. Operating mode
Choose the unit operating mode.
The icons will flash.
To select the mode, use the button M.
Once the mode has been decided, press button ◌. The icon of the selected mode will stop flashing.

5. Desired temperature
To select the desired temperature, (the value is flashing, use either button ∧ or ∨.
Push button ◌, to confirm the selection.
Numbers will stop flashing.

6. Fan speed
Choose the fan speed, using button ✤.
When the selection has been completed, press button ◌ for confirmation.
The icon will stop flashing.

7. Louver positioning
Now this icon is flashing.
Use button ⟰ to select desired position.
Press button ◌ for confirmation.
Now all icons are fixed on display.
If you want to cancel selections up to here inserted, push button ©; if you want to cancel all options once timer has been set, push button ◌ and then ©.

About the ON Timer

• When the ON Timer function is operating, the unit senses the room air temperature right before the start-up time.

• If you want to warm or cool the room at desired time, set the timer 30 minutes eariler than start time.

OFF timer procedure
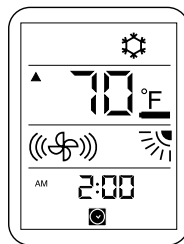
1. OFF TIMER button ◉ (button L)
Press button ◉.
The OFF timer icon and numbers for time selection are flashing.
This function can be set even if the remote control is OFF.

2. HOUR/MINUTE selection buttons (buttons ∧ and ∨)
To set the clock time, press either button ∧ or ∨.
To move from hour to minute, press button ◉.
· When the ON Timer function is operating, the unit senses the room air temperature right before the start-up time. Press button ◉ again to confirm.

Personalisation ☺ (button F)

If you want to memorize a personalised operating mode, recallable at any time, proceed as follows:

1. With the remote control ON or OFF, press button ☺ and hold it pressed for more than 5 seconds.

   On the display, the personalisation icon ☺ will start flashing.
2. Press button M, to select the operating mode.

3. Press either button ∧ or ∨ to select the desired temperature.

4. Using button ✤ select the fan speed.

5. Using button ⟰ select the louver operation.

6. When all options have been entered, press button ☺ to memorise them.

At this point, all selected and memorised functions can be activated through button ☺, whatever the unit operating mode.
Once the personalised mode has been entered, press one of the buttons M, ✤, ∧, ∨ to exit.
If you want to change one or more memorised parametres, begin again from point 1.

Infrared Remote

Use of the remote control

DAILY timer 🌓 (Everyday - button J)

Push the button 🌓 when the ON or OFF timer is active. The icon will appear on display.
In this way the ON and OFF timer memorization will be repeated every day.
To disactivate the daily function, press again the button 🌓.

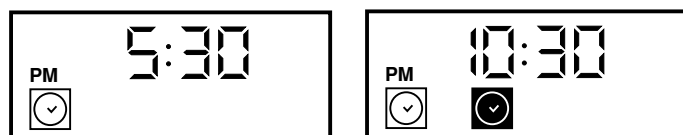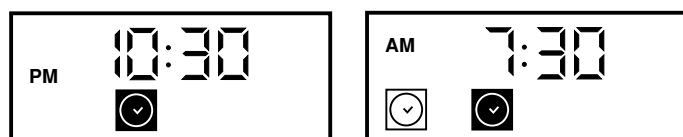### Combination of ON, OFF and DAILY timer procedure

If you want operation to start at 5.30 P.M. and stop at 10.30 P.M., proceed as follows:

1. Select ON timer at 5:30 P.M.

2. Select OFF timer at 10:30 P.M.

3. Select the desired operating mode (button M).

If you want to stop operation at 10:30 P.M. and start again at 7:30 A.M. with the same operating mode, proceed as follows:

1. Select OFF timer at 10:30 P.M. during operation

**2.** Select ON timer at 7:30 A.M.

If you want Everyday operation to start at 5.30 P.M. and stop at 10.30 P.M., proceed as follows:

1. Select ON timer at 5:30 P.M.

2. Select OFF timer at 10:30 P.M.

3. Press the Everyday button (daily button 🌓).
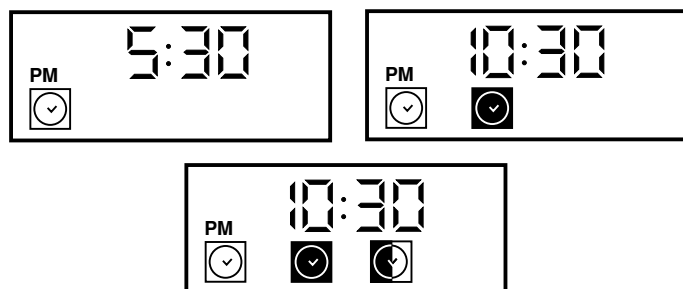
### Cancellation of ON, OFF and DAILY timer procedure

1. If you want to cancel On or OFF timer setting, press the following buttons in sequence:
- button 🕐 or 🕐;
- button Ⓒ.

To deactivate the Everyday function, press button 🌓.
The Everyday function will remain operative until one of the two timers (ON or OFF) is active.
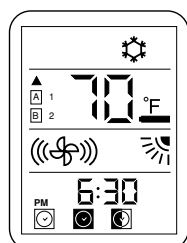
SLEEP timer 🌙 function with delayed switching off (Button M)

Press this button to set the SLEEP timer with remote control on. The icon will appear on the display.
This procedure permits setting the remaining unit operating time.
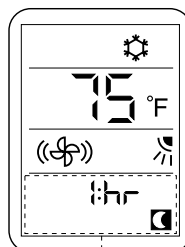
1. "1:hr" will be displayed together with the icon.

2. Press button ∧ (temperature increase). The display will show the following settings in sequence:
1 hr, 2 hr, 3 hr, 4 hr, 5 hr, 6 hr, 7 hr and 9 hr.

3. Once the remaining operating hours have been selected with either button ∧ or ∨, again press button 🌙 to confirm.

4. When the SLEEP timer is set, the unit will control the set temperature to avoid overcooling or overheating during operation.
The set temperature will change as follows:

(Cooling only or dehumidification)

(Heating)
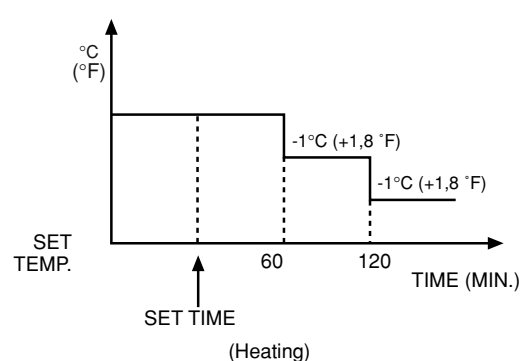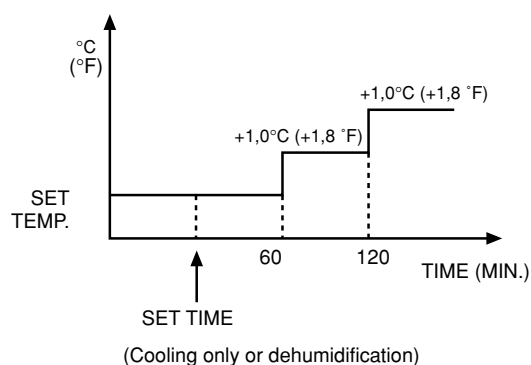
Address selector (Ab)

If two indoor units are installed in the same room, they can be individually controlled (the signal sent to one unit is not received by the other unit), or you can control both indoor units with a single remote control.

For configuration refer to the unit installation manual.

Ionizer function button 🍃

This option is not available.

Infrared Remote
Troubleshooting

After inserting the batteries in the remote control, the display does not illuminate:

- The batteries are exhausted or the polarity is incorrect; replace the batteries or check polarity.

When pressing the recessed clock adjustment button, the hour figures on the display do not flash:

- The recessed button has not been pressed correctly; keep it pressed for at least 5 seconds.

When pressing any button all symbols appear on the display:

- The remote control has been irreversibly damaged; replace with a new one.

When pressing the start button, the unit does not acknowledge the signal with a "beep":

- The main switch is switched OFF, place the switch in the ON position.

- The remote control batteries are exhausted; replace the batteries.

- The remote control has not been pointed correctly at the unit receiver; turn the remote control OFF and repeat the operation, pointing the remote control in the correct direction.

- There are obstacles (curtains, partitions, etc.) between the remote control and the unit; repeat the operation after having removed the obstacles.

- The receiver on the unit or the remote control is exposed to intense sun radiation; avoid direct sunlight on the unit, draw curtains or shut shades, or move the remote control.

- Signal transmission is obstructed by severe electromagnetic field interference; avoid sending signals when computers or household appliances (food processors, coffee makers, etc.) are operating close by.
  Cellular or cordless telephones may also interfere with the control.

When pressing the stop button the unit does not turn OFF and does not acknowledge the signal with a "beep":

- The remote control batteries are exhausted; replace the batteries.

- The remote control has not been pointed correctly to the unit receiver; turn the remote control OFF and repeat the operation, pointing the remote control in the correct direction.

- There are obstacles (curtains, partitions, etc.) between the remote control and the unit; repeat the operation after having removed the obstacles.

- The receiver on unit or the remote control is exposed to intense sun radiation; avoid direct sunlight on the unit, draw curtains or shut shades, or move the remote control.

- Signal transmission is obstructed by severe electromagnetic field interference; avoid sending signals when computers or household appliances (food processors, coffee makers, etc.) are operating close by.
  Cellular or cordless telephones may also interfere with the control.

When pressing any function button, the remote control shows the function requested on the display, but the unit does not acknowledge the signal with a "beep" and does not carry out the function:

- The remote control batteries are exhausted; replace the batteries.

- The remote control has not been pointed correctly to the unit receiver; turn the remote control OFF and repeat the operation, pointing the remote control in the correct direction.

- There are obstacles (curtains, partitions, etc.) between the remote control and the unit; repeat the operation after having removed the obstacles.

- The receiver on unit or the remote control is exposed to intense sun radiation; avoid direct sunlight on the unit, draw curtains or shut shades, or move the remote control.

- Signal transmission is obstructed by severe electromagnetic field interference; avoid sending signals when computers or household appliances (food processors, coffee makers, etc.) are operating close by.
  Cellular or cordless telephones may also interfere with the control.

The remote control display does not change when any button is pressed:

- The triangle symbol 2 ▲ is ON, whilst another signal is being transmitted; wait for signal 2 ▲ to disappear and then repeat the operation.

Carrier

The manufacturer reserves the right to change any product specifications without notice.

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